

X-Y RECEIVER FOR CDMA TRANSMISSION

ABSTRACT

5 An X-Y, base-band receiver for code-division multiple accessing ("CDMA")
is used at both base station and mobile station. The signal transmitted from a
transmitter carries serial information symbols. Signals from all transmitters pass
through a multi-path fading channel before they are received by the X-Y receiver.
There is more than one instance of each symbol. The X-Y receiver searches for all
10 instances of each symbol and combines all instances.